

APPENDIX E-4

MOBILE6.2 Sample Input Files

M6Input File Settings

Bucks County, 2002

MOBILE6 INPUT FILE

```
REPORT FILE      : m6output.out      REPLACE
DATABASE OUTPUT  :
WITH FIELDNAMES  :
EMISSIONS TABLE : M6OUTPUT_BUCK02A.TB1 REPLACE
POLLUTANTS       : HC CO NOX
PARTICULATES     : SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE SO2 NH3
AGGREGATED OUTPUT :
RUN DATA        : 0091

MIN/MAX TEMPERATURE: 68.7 93.1
94+ LDG IMP       : NLEVNE.D
FUEL PROGRAM      : 2 N
FUEL RVP          : 8.7
EXPRESS HC AS VOC :
EXPAND EXHAUST    :
EXPAND EVAPORATIVE :
NO REFUELING      :
REG DISTRIBUTION  : BUCK02ag.dat (2002 Age Data by County)
I/M PROGRAM       : 1 1984 2050 1 TRC IDLE
I/M PROGRAM       : 2 1997 2050 1 TRC ASM 5015 PHASE-IN
I/M PROGRAM       : 3 1997 2050 1 TRC GC
I/M MODEL YEARS   : 1 1975 1980
I/M MODEL YEARS   : 2 1981 2050
I/M MODEL YEARS   : 3 1975 2050
I/M VEHICLES      : 1 22222 11111111 1
I/M VEHICLES      : 2 22222 11111111 1
I/M VEHICLES      : 3 22222 11111111 1
I/M STRINGENCY    : 1 20
I/M STRINGENCY    : 2 20
I/M COMPLIANCE    : 1 96.0
I/M COMPLIANCE    : 2 96.0
I/M COMPLIANCE    : 3 96.0
I/M WAIVER RATES  : 1 3.0 3.0
I/M WAIVER RATES  : 2 3.0 3.0
I/M WAIVER RATES  : 3 3.0 3.0
I/M EFFECTIVENES  : 1.00 1.00 1.00
ANTI-TAMP PROGRAM : 97 75 50 22222 11111111 1 11 096. 22212222

SCENARIO RECORD   : [01 0091] 1

CALENDAR YEAR     : 2002
EVALUATION MONTH  : 7
ABSOLUTE HUMIDITY : 52.2
SEASON            : 1
VMT FRACTIONS     : (VMT Mix varies by County, FC combination)
                   .446713 .067909 .225859 .069604 .032048 .049141 .004885 .003865
                   .002830 .010805 .012860 .014017 .050176 .002450 .001158 .005680

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)
VMT BY FACILITY   : V009101F.def
VMT BY HOUR       : V009101H.def
```

```

SPEED VMT          :V009101S.def
END OF RUN         :

```

(Scenarios Repeated for each Area, Functional Class Combination)

Bucks County, 2008

MOBILE6 INPUT FILE

```

REPORT FILE        : m6output.out          REPLACE
DATABASE OUTPUT    :
WITH FIELDNAMES    :
EMISSIONS TABLE   : M6OUTPUT_BUCK08.TB1   REPLACE
POLLUTANTS        : HC CO NOX
AGGREGATED OUTPUT  :
RUN DATA          : 0091

MIN/MAX TEMPERATURE: 70.2  87.5
T2 EXH PHASE-IN    : pal2exh.08
T2 EVAP PHASE-IN   : pal2evp.08
T2 CERT            : leviistd.d
94+ LDG IMP        : NLEVNE.D
FUEL PROGRAM       : 4
150.0  149.0  129.0  120.0  120.0  90.0   30.0   30.0
30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0 303.0  303.0  87.0   87.0
80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
OXYGENATED FUELS   : 1.000 0.000 0.021 0.000 1
FUEL RVP           : 6.8
EXPRESS HC AS VOC  :
EXPAND EXHAUST     :
EXPAND EVAPORATIVE :
NO REFUELING       :
REG DISTRIBUTION    : BUCK05ag.dat  (2005 Age Data by County)

I/M PROGRAM        : 1 2004 2050 1 TRC OBD I/M
I/M PROGRAM        : 2 1997 2050 1 TRC ASM 5015 FINAL
I/M PROGRAM        : 3 2004 2050 1 TRC EVAP OBD & GC
I/M PROGRAM        : 4 1997 2050 1 TRC GC
I/M MODEL YEARS    : 1 1996 2050
I/M MODEL YEARS    : 2 1981 1995
I/M MODEL YEARS    : 3 1996 2050
I/M MODEL YEARS    : 4 1975 1995
I/M VEHICLES       : 1 22222 11111111 1
I/M VEHICLES       : 2 22222 11111111 1
I/M VEHICLES       : 3 22222 11111111 1
I/M VEHICLES       : 4 22222 11111111 1
I/M STRINGENCY     : 1 20
I/M STRINGENCY     : 2 20
I/M COMPLIANCE     : 1 96.0
I/M COMPLIANCE     : 2 96.0
I/M COMPLIANCE     : 3 96.0
I/M COMPLIANCE     : 4 96.0
I/M WAIVER RATES   : 1 3.0 3.0

```

} **CALLEVII Phase-In Files**

I/M WAIVER RATES : 2 3.0 3.0
 I/M WAIVER RATES : 3 3.0 3.0
 I/M WAIVER RATES : 4 3.0 3.0
 I/M EFFECTIVENES : 1.00 1.00 1.00
 ANTI-TAMP PROGRAM : 97 75 50 22222 11111111 1 11 096. 22212222

SCENARIO RECORD : [01 0091] 1

CALENDAR YEAR : 2008
 EVALUATION MONTH : 7
 ABSOLUTE HUMIDITY : 83.4
 SEASON : 1

VMT FRACTIONS : **(VMT Mix varies by County, FC combination)**
 0.368067 0.081772 0.272350 0.083897 0.038590 0.048186 0.004724 0.003853
 0.002986 0.010812 0.012672 0.013797 0.049324 0.002489 0.001125 0.005356

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

VMT BY FACILITY : V009101F.def
 VMT BY HOUR : V009101H.def
 SPEED VMT : V009101S.def
 END OF RUN :

(Scenarios Repeated for each Area, Functional Class Combination)

Bucks County, 2009

MOBILE6 INPUT FILE

REPORT FILE : m6output.out REPLACE
 DATABASE OUTPUT :
 WITH FIELDNAMES :
 EMISSIONS TABLE : M6OUTPUT_BUCK09.TB1 REPLACE
 POLLUTANTS : HC CO NOX
 AGGREGATED OUTPUT :
 RUN DATA : 0091

MIN/MAX TEMPERATURE: 70.2 87.5
 T2 EXH PHASE-IN : pal2exh.08
 T2 EVAP PHASE-IN : pal2evp.08
 T2 CERT : leviistd.d
 94+ LDG IMP : NLEVNE.D
 FUEL PROGRAM : 4

150.0 149.0 129.0 120.0 120.0 90.0 30.0 30.0
 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
 1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0
 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

OXYGENATED FUELS : 1.000 0.000 0.021 0.000 1
 FUEL RVP : 6.8
 EXPRESS HC AS VOC :
 EXPAND EXHAUST :
 EXPAND EVAPORATIVE :
 NO REFUELING :
 REG DISTRIBUTION : BUCK05ag.dat **(2005 Age Data by County)**

} **CALLEVII Phase-In Files**

```

I/M PROGRAM          : 1 2004 2050 1 TRC OBD I/M
I/M PROGRAM          : 2 1997 2050 1 TRC ASM 5015 FINAL
I/M PROGRAM          : 3 2004 2050 1 TRC EVAP OBD & GC
I/M PROGRAM          : 4 1997 2050 1 TRC GC
I/M MODEL YEARS      : 1 1996 2050
I/M MODEL YEARS      : 2 1981 1995
I/M MODEL YEARS      : 3 1996 2050
I/M MODEL YEARS      : 4 1975 1995
I/M VEHICLES         : 1 22222 11111111 1
I/M VEHICLES         : 2 22222 11111111 1
I/M VEHICLES         : 3 22222 11111111 1
I/M VEHICLES         : 4 22222 11111111 1
I/M STRINGENCY       : 1 20
I/M STRINGENCY       : 2 20
I/M COMPLIANCE       : 1 96.0
I/M COMPLIANCE       : 2 96.0
I/M COMPLIANCE       : 3 96.0
I/M COMPLIANCE       : 4 96.0
I/M WAIVER RATES     : 1 3.0 3.0
I/M WAIVER RATES     : 2 3.0 3.0
I/M WAIVER RATES     : 3 3.0 3.0
I/M WAIVER RATES     : 4 3.0 3.0
I/M EFFECTIVENES     : 1.00 1.00 1.00
ANTI-TAMP PROGRAM    : 97 75 50 22222 11111111 1 11 096. 22212222

SCENARIO RECORD      : [01 0091] 1

CALENDAR YEAR        : 2009
EVALUATION MONTH     : 7
ABSOLUTE HUMIDITY    : 83.4
SEASON               : 1
VMT FRACTIONS        :      (VMT Mix varies by County, FC combination)
                      0.354862 0.084062 0.279894 0.086271 0.039695 0.048131 0.004695 0.003960
                      0.002972 0.010756 0.012737 0.013848 0.049226 0.002477 0.001230 0.005184

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)
VMT BY FACILITY      : V009101F.def
VMT BY HOUR          : V009101H.def
SPEED VMT            : V009101S.def
END OF RUN           :

```

(Scenarios Repeated for each Area, Functional Class Combination)

Bucks County 2002 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0499	0.0913	0.0931	0.0868	0.0846	0.0779	0.0688	0.0745	0.0608	0.0542
	0.0454	0.0393	0.0363	0.0322	0.0278	0.0219	0.0165	0.0111	0.0076	0.0039
	0.0021	0.0017	0.0016	0.0023	0.0084					
2	0.0303	0.0455	0.0612	0.0501	0.0599	0.0580	0.0443	0.0578	0.0726	0.0504
	0.0434	0.0468	0.0484	0.0568	0.0603	0.0533	0.0464	0.0276	0.0211	0.0139
	0.0082	0.0078	0.0051	0.0087	0.0222					
3	0.0303	0.0455	0.0612	0.0501	0.0599	0.0580	0.0443	0.0578	0.0726	0.0504
	0.0434	0.0468	0.0484	0.0568	0.0603	0.0533	0.0464	0.0276	0.0211	0.0139
	0.0082	0.0078	0.0051	0.0087	0.0222					
4	0.0552	0.1070	0.0864	0.0854	0.0693	0.0964	0.0579	0.0760	0.0530	0.0384
	0.0286	0.0213	0.0322	0.0385	0.0323	0.0241	0.0253	0.0163	0.0123	0.0061
	0.0038	0.0032	0.0033	0.0079	0.0196					
5	0.0552	0.1070	0.0864	0.0854	0.0693	0.0964	0.0579	0.0760	0.0530	0.0384
	0.0286	0.0213	0.0322	0.0385	0.0323	0.0241	0.0253	0.0163	0.0123	0.0061
	0.0038	0.0032	0.0033	0.0079	0.0196					
16	0.0642	0.1232	0.0899	0.0725	0.0569	0.0487	0.0457	0.0385	0.0340	0.0278
	0.0207	0.0208	0.0155	0.0184	0.0179	0.0186	0.0328	0.0309	0.0202	0.0265
	0.0340	0.0304	0.0239	0.0166	0.0716					

Chester County 2002 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0526	0.0845	0.0963	0.0962	0.0931	0.0850	0.0707	0.0752	0.0600	0.0506
	0.0419	0.0376	0.0338	0.0297	0.0248	0.0198	0.0145	0.0096	0.0063	0.0036
	0.0020	0.0014	0.0014	0.0020	0.0075					
2	0.0242	0.0531	0.0556	0.0534	0.0599	0.0579	0.0499	0.0635	0.0731	0.0525
	0.0468	0.0488	0.0461	0.0570	0.0607	0.0493	0.0428	0.0243	0.0205	0.0134
	0.0086	0.0068	0.0060	0.0069	0.0190					
3	0.0242	0.0531	0.0556	0.0534	0.0599	0.0579	0.0499	0.0635	0.0731	0.0525
	0.0468	0.0488	0.0461	0.0570	0.0607	0.0493	0.0428	0.0243	0.0205	0.0134
	0.0086	0.0068	0.0060	0.0069	0.0190					
4	0.0617	0.0957	0.0867	0.0895	0.0703	0.0979	0.0612	0.0723	0.0552	0.0379
	0.0270	0.0251	0.0310	0.0364	0.0319	0.0232	0.0263	0.0173	0.0108	0.0066
	0.0047	0.0029	0.0031	0.0075	0.0177					
5	0.0617	0.0957	0.0867	0.0895	0.0703	0.0979	0.0612	0.0723	0.0552	0.0379
	0.0270	0.0251	0.0310	0.0364	0.0319	0.0232	0.0263	0.0173	0.0108	0.0066
	0.0047	0.0029	0.0031	0.0075	0.0177					
16	0.0712	0.1014	0.0964	0.0730	0.0520	0.0476	0.0403	0.0340	0.0317	0.0274
	0.0236	0.0193	0.0196	0.0211	0.0185	0.0206	0.0319	0.0330	0.0233	0.0287
	0.0378	0.0319	0.0232	0.0169	0.0756					

Delaware County 2002 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0579	0.0881	0.0898	0.0848	0.0806	0.0763	0.0673	0.0736	0.0606	0.0551
	0.0460	0.0405	0.0383	0.0338	0.0286	0.0234	0.0169	0.0116	0.0077	0.0042
	0.0021	0.0018	0.0016	0.0022	0.0073					
2	0.0297	0.0597	0.0594	0.0511	0.0532	0.0548	0.0426	0.0543	0.0671	0.0496
	0.0464	0.0514	0.0474	0.0563	0.0587	0.0534	0.0491	0.0302	0.0228	0.0142
	0.0096	0.0069	0.0054	0.0072	0.0196					
3	0.0297	0.0597	0.0594	0.0511	0.0532	0.0548	0.0426	0.0543	0.0671	0.0496
	0.0464	0.0514	0.0474	0.0563	0.0587	0.0534	0.0491	0.0302	0.0228	0.0142
	0.0096	0.0069	0.0054	0.0072	0.0196					
4	0.0775	0.0984	0.0878	0.0875	0.0599	0.0958	0.0604	0.0689	0.0554	0.0335
	0.0281	0.0263	0.0337	0.0383	0.0313	0.0237	0.0279	0.0172	0.0118	0.0063
	0.0036	0.0034	0.0036	0.0065	0.0132					
5	0.0775	0.0984	0.0878	0.0875	0.0599	0.0958	0.0604	0.0689	0.0554	0.0335
	0.0281	0.0263	0.0337	0.0383	0.0313	0.0237	0.0279	0.0172	0.0118	0.0063

	0.0036	0.0034	0.0036	0.0065	0.0132					
16	0.0721	0.1087	0.0978	0.0647	0.0561	0.0516	0.0426	0.0402	0.0312	0.0266
	0.0259	0.0206	0.0168	0.0178	0.0203	0.0236	0.0313	0.0318	0.0234	0.0279
	0.0368	0.0277	0.0242	0.0163	0.0640					

Montgomery County 2002 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0636	0.1116	0.1270	0.0933	0.0812	0.0743	0.0631	0.0677	0.0542	0.0472
	0.0389	0.0343	0.0316	0.0270	0.0226	0.0184	0.0134	0.0090	0.0060	0.0029
	0.0019	0.0013	0.0013	0.0018	0.0066					
2	0.0294	0.0738	0.0930	0.0646	0.0598	0.0569	0.0408	0.0538	0.0635	0.0503
	0.0408	0.0420	0.0423	0.0511	0.0501	0.0458	0.0404	0.0250	0.0198	0.0110
	0.0081	0.0072	0.0050	0.0061	0.0195					
3	0.0294	0.0738	0.0930	0.0646	0.0598	0.0569	0.0408	0.0538	0.0635	0.0503
	0.0408	0.0420	0.0423	0.0511	0.0501	0.0458	0.0404	0.0250	0.0198	0.0110
	0.0081	0.0072	0.0050	0.0061	0.0195					
4	0.0680	0.1184	0.1087	0.0901	0.0689	0.0917	0.0592	0.0682	0.0524	0.0327
	0.0247	0.0207	0.0294	0.0335	0.0281	0.0206	0.0224	0.0156	0.0103	0.0053
	0.0032	0.0023	0.0025	0.0067	0.0162					
5	0.0680	0.1184	0.1087	0.0901	0.0689	0.0917	0.0592	0.0682	0.0524	0.0327
	0.0247	0.0207	0.0294	0.0335	0.0281	0.0206	0.0224	0.0156	0.0103	0.0053
	0.0032	0.0023	0.0025	0.0067	0.0162					
16	0.0686	0.1064	0.0964	0.0741	0.0543	0.0474	0.0409	0.0390	0.0353	0.0277
	0.0268	0.0166	0.0166	0.0192	0.0168	0.0190	0.0305	0.0342	0.0231	0.0293
	0.0381	0.0303	0.0240	0.0160	0.0697					

Philadelphia County 2002 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0404	0.0594	0.0657	0.0657	0.0674	0.0661	0.0614	0.0718	0.0639	0.0637
	0.0587	0.0544	0.0573	0.0503	0.0430	0.0344	0.0251	0.0168	0.0110	0.0060
	0.0031	0.0024	0.0020	0.0027	0.0074					
2	0.0232	0.0476	0.0441	0.0382	0.0450	0.0421	0.0347	0.0458	0.0584	0.0463
	0.0444	0.0427	0.0487	0.0654	0.0685	0.0663	0.0582	0.0437	0.0338	0.0234
	0.0160	0.0131	0.0092	0.0126	0.0284					
3	0.0232	0.0476	0.0441	0.0382	0.0450	0.0421	0.0347	0.0458	0.0584	0.0463
	0.0444	0.0427	0.0487	0.0654	0.0685	0.0663	0.0582	0.0437	0.0338	0.0234
	0.0160	0.0131	0.0092	0.0126	0.0284					
4	0.0578	0.0777	0.0693	0.0728	0.0552	0.0767	0.0535	0.0675	0.0518	0.0384
	0.0306	0.0290	0.0423	0.0471	0.0445	0.0373	0.0371	0.0254	0.0181	0.0132
	0.0078	0.0062	0.0065	0.0107	0.0236					
5	0.0578	0.0777	0.0693	0.0728	0.0552	0.0767	0.0535	0.0675	0.0518	0.0384
	0.0306	0.0290	0.0423	0.0471	0.0445	0.0373	0.0371	0.0254	0.0181	0.0132
	0.0078	0.0062	0.0065	0.0107	0.0236					
16	0.0860	0.1135	0.0979	0.0732	0.0582	0.0505	0.0419	0.0371	0.0335	0.0298
	0.0227	0.0158	0.0195	0.0150	0.0168	0.0207	0.0295	0.0283	0.0239	0.0263
	0.0351	0.0263	0.0219	0.0142	0.0624					

Bucks County 2005 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0481	0.0827	0.0876	0.0915	0.0838	0.0907	0.0744	0.0673	0.0598	0.0503
	0.0527	0.0412	0.0350	0.0280	0.0228	0.0198	0.0165	0.0132	0.0103	0.0075
	0.0051	0.0034	0.0017	0.0010	0.0053					
2	0.0458	0.0813	0.0791	0.0721	0.0710	0.0744	0.0648	0.0538	0.0624	0.0412
	0.0538	0.0462	0.0309	0.0234	0.0223	0.0267	0.0298	0.0286	0.0215	0.0191
	0.0121	0.0086	0.0047	0.0036	0.0229					
3	0.0458	0.0813	0.0791	0.0721	0.0710	0.0744	0.0648	0.0538	0.0624	0.0412
	0.0538	0.0462	0.0309	0.0234	0.0223	0.0267	0.0298	0.0286	0.0215	0.0191
	0.0121	0.0086	0.0047	0.0036	0.0229					
4	0.0432	0.1111	0.0989	0.0868	0.0801	0.0744	0.0704	0.0534	0.0695	0.0436
	0.0542	0.0373	0.0260	0.0182	0.0135	0.0189	0.0241	0.0180	0.0129	0.0127
	0.0081	0.0063	0.0030	0.0018	0.0139					
5	0.0432	0.1111	0.0989	0.0868	0.0801	0.0744	0.0704	0.0534	0.0695	0.0436
	0.0542	0.0373	0.0260	0.0182	0.0135	0.0189	0.0241	0.0180	0.0129	0.0127
	0.0081	0.0063	0.0030	0.0018	0.0139					
16	0.0827	0.1039	0.1126	0.0914	0.0753	0.0664	0.0483	0.0407	0.0325	0.0306
	0.0251	0.0225	0.0189	0.0135	0.0135	0.0123	0.0128	0.0104	0.0126	0.0195
	0.0217	0.0140	0.0142	0.0217	0.0830					

Chester County 2005 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0464	0.0856	0.0857	0.0909	0.0879	0.0944	0.0797	0.0712	0.0617	0.0497
	0.0515	0.0390	0.0327	0.0255	0.0217	0.0184	0.0149	0.0120	0.0095	0.0066
	0.0045	0.0031	0.0018	0.0010	0.0047					
2	0.0455	0.0832	0.0792	0.0685	0.0723	0.0717	0.0672	0.0548	0.0611	0.0433
	0.0503	0.0441	0.0323	0.0249	0.0238	0.0269	0.0304	0.0295	0.0211	0.0191
	0.0114	0.0082	0.0049	0.0034	0.0228					
3	0.0455	0.0832	0.0792	0.0685	0.0723	0.0717	0.0672	0.0548	0.0611	0.0433
	0.0503	0.0441	0.0323	0.0249	0.0238	0.0269	0.0304	0.0295	0.0211	0.0191
	0.0114	0.0082	0.0049	0.0034	0.0228					
4	0.0454	0.1153	0.0995	0.0834	0.0811	0.0728	0.0687	0.0525	0.0710	0.0441
	0.0502	0.0375	0.0248	0.0176	0.0157	0.0198	0.0221	0.0189	0.0127	0.0148
	0.0084	0.0054	0.0035	0.0022	0.0128					
5	0.0454	0.1153	0.0995	0.0834	0.0811	0.0728	0.0687	0.0525	0.0710	0.0441
	0.0502	0.0375	0.0248	0.0176	0.0157	0.0198	0.0221	0.0189	0.0127	0.0148
	0.0084	0.0054	0.0035	0.0022	0.0128					
16	0.0825	0.0978	0.1118	0.0869	0.0729	0.0648	0.0519	0.0390	0.0330	0.0286
	0.0276	0.0220	0.0171	0.0145	0.0117	0.0131	0.0146	0.0116	0.0112	0.0210
	0.0193	0.0158	0.0181	0.0246	0.0886					

Delaware County 2005 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0686	0.0814	0.0782	0.0814	0.0777	0.0851	0.0720	0.0656	0.0596	0.0515
	0.0548	0.0438	0.0382	0.0303	0.0247	0.0217	0.0175	0.0137	0.0109	0.0075
	0.0049	0.0033	0.0017	0.0010	0.0049					
2	0.0694	0.0900	0.0755	0.0696	0.0695	0.0713	0.0630	0.0472	0.0576	0.0399
	0.0499	0.0453	0.0293	0.0256	0.0236	0.0260	0.0282	0.0285	0.0228	0.0205
	0.0121	0.0088	0.0046	0.0039	0.0179					
3	0.0694	0.0900	0.0755	0.0696	0.0695	0.0713	0.0630	0.0472	0.0576	0.0399
	0.0499	0.0453	0.0293	0.0256	0.0236	0.0260	0.0282	0.0285	0.0228	0.0205
	0.0121	0.0088	0.0046	0.0039	0.0179					
4	0.0991	0.1265	0.0969	0.0799	0.0729	0.0664	0.0642	0.0437	0.0621	0.0408
	0.0470	0.0361	0.0209	0.0172	0.0152	0.0194	0.0203	0.0177	0.0132	0.0126
	0.0079	0.0051	0.0024	0.0018	0.0107					
5	0.0991	0.1265	0.0969	0.0799	0.0729	0.0664	0.0642	0.0437	0.0621	0.0408

	0.0470	0.0361	0.0209	0.0172	0.0152	0.0194	0.0203	0.0177	0.0132	0.0126
	0.0079	0.0051	0.0024	0.0018	0.0107					
16	0.0899	0.1017	0.1104	0.0881	0.0719	0.0675	0.0488	0.0356	0.0313	0.0305
	0.0277	0.0229	0.0165	0.0177	0.0111	0.0118	0.0119	0.0145	0.0138	0.0196
	0.0192	0.0142	0.0189	0.0247	0.0797					

Montgomery County 2005 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0696	0.1034	0.0971	0.0905	0.0834	0.0868	0.0711	0.0637	0.0562	0.0462
	0.0481	0.0371	0.0309	0.0243	0.0204	0.0174	0.0143	0.0111	0.0088	0.0061
	0.0041	0.0030	0.0014	0.0009	0.0042					
2	0.0626	0.0919	0.0782	0.0736	0.0758	0.0773	0.0682	0.0500	0.0582	0.0392
	0.0473	0.0414	0.0282	0.0229	0.0208	0.0241	0.0280	0.0262	0.0203	0.0177
	0.0113	0.0088	0.0045	0.0034	0.0200					
3	0.0626	0.0919	0.0782	0.0736	0.0758	0.0773	0.0682	0.0500	0.0582	0.0392
	0.0473	0.0414	0.0282	0.0229	0.0208	0.0241	0.0280	0.0262	0.0203	0.0177
	0.0113	0.0088	0.0045	0.0034	0.0200					
4	0.0633	0.1235	0.0996	0.0888	0.0823	0.0725	0.0666	0.0471	0.0650	0.0407
	0.0482	0.0368	0.0222	0.0176	0.0142	0.0189	0.0222	0.0166	0.0113	0.0114
	0.0085	0.0056	0.0025	0.0016	0.0128					
5	0.0633	0.1235	0.0996	0.0888	0.0823	0.0725	0.0666	0.0471	0.0650	0.0407
	0.0482	0.0368	0.0222	0.0176	0.0142	0.0189	0.0222	0.0166	0.0113	0.0114
	0.0085	0.0056	0.0025	0.0016	0.0128					
16	0.0726	0.0974	0.1098	0.0877	0.0752	0.0693	0.0508	0.0377	0.0333	0.0295
	0.0270	0.0224	0.0212	0.0171	0.0117	0.0109	0.0127	0.0113	0.0134	0.0204
	0.0221	0.0139	0.0172	0.0239	0.0917					

Philadelphia County 2005 Vehicle Age Distributions Input to MOBILE6.2

REG	DIST									
1	0.0407	0.0596	0.0556	0.0606	0.0617	0.0724	0.0636	0.0643	0.0636	0.0607
	0.0691	0.0593	0.0556	0.0473	0.0387	0.0351	0.0267	0.0200	0.0151	0.0102
	0.0067	0.0043	0.0023	0.0012	0.0054					
2	0.0362	0.0605	0.0586	0.0551	0.0560	0.0615	0.0574	0.0504	0.0617	0.0441
	0.0561	0.0497	0.0369	0.0307	0.0284	0.0345	0.0397	0.0407	0.0331	0.0299
	0.0204	0.0138	0.0087	0.0066	0.0290					
3	0.0362	0.0605	0.0586	0.0551	0.0560	0.0615	0.0574	0.0504	0.0617	0.0441
	0.0561	0.0497	0.0369	0.0307	0.0284	0.0345	0.0397	0.0407	0.0331	0.0299
	0.0204	0.0138	0.0087	0.0066	0.0290					
4	0.0409	0.0991	0.0820	0.0743	0.0627	0.0621	0.0595	0.0480	0.0648	0.0446
	0.0558	0.0424	0.0302	0.0261	0.0220	0.0298	0.0309	0.0283	0.0210	0.0220
	0.0136	0.0098	0.0063	0.0039	0.0201					
5	0.0409	0.0991	0.0820	0.0743	0.0627	0.0621	0.0595	0.0480	0.0648	0.0446
	0.0558	0.0424	0.0302	0.0261	0.0220	0.0298	0.0309	0.0283	0.0210	0.0220
	0.0136	0.0098	0.0063	0.0039	0.0201					
16	0.0990	0.1166	0.1173	0.0962	0.0747	0.0621	0.0519	0.0394	0.0352	0.0292
	0.0255	0.0215	0.0223	0.0107	0.0105	0.0123	0.0091	0.0099	0.0137	0.0168
	0.0152	0.0106	0.0144	0.0154	0.0708					

California LEVII Exhaust Certification Bin File (LEVHSTD.D)

0.000,	0.000,	0.000,	0.000,	0.000,
0.007,	0.007,	0.007,	0.007,	0.007,
0.040,	0.040,	0.040,	0.040,	0.040,
0.051,	0.051,	0.051,	0.051,	0.051,
0.040,	0.040,	0.040,	0.040,	0.040,
0.075,	0.075,	0.075,	0.075,	0.075,
0.100,	0.100,	0.100,	0.125,	0.125,
0.075,	0.075,	0.100,	0.140,	0.140,
0.125,	0.125,	0.125,	0.160,	0.195,
0.040,	0.040,	0.050,	0.100,	0.117,
0.075,	0.075,	0.100,	0.160,	0.195,
0.000,	0.000,	0.000,	0.000,	0.000,

0.000,	0.000,	0.000,	0.000,	0.000,
1.700,	1.700,	1.700,	1.700,	1.700,
1.700,	1.700,	1.700,	1.700,	1.700,
1.700,	1.700,	1.700,	1.700,	1.700,
1.700,	1.700,	1.700,	1.700,	1.700,
3.400,	3.400,	3.400,	3.400,	3.400,
3.400,	3.400,	3.400,	3.400,	3.400,
3.400,	3.400,	3.400,	3.400,	3.400,
3.400,	3.400,	3.400,	3.400,	3.400,
1.700,	1.700,	2.200,	4.400,	5.000,
3.400,	3.400,	4.400,	4.400,	5.000,
0.000,	0.000,	0.000,	0.000,	0.000,

0.000,	0.000,	0.000,	0.000,	0.000,
0.014,	0.014,	0.014,	0.014,	0.014,
0.021,	0.021,	0.021,	0.021,	0.021,
0.029,	0.029,	0.029,	0.029,	0.029,
0.050,	0.050,	0.050,	0.050,	0.050,
0.050,	0.050,	0.050,	0.050,	0.050,
0.140,	0.140,	0.140,	0.140,	0.140,
0.200,	0.200,	0.200,	0.200,	0.200,
0.400,	0.400,	0.400,	0.400,	0.400,
0.200,	0.200,	0.400,	0.400,	0.600,
0.200,	0.200,	0.400,	0.400,	0.600,
0.000,	0.000,	0.000,	0.000,	0.000/

California LEVII Phase-In Percentages by Exhaust Certification Bin

2008 Phase-In (PAL2EXH.08)

T2 EXH PHASE-IN

0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,
0.000,	0.000,	0.000,	0.100,	0.450,	0.505,	0.552,	0.598,	0.653,	0.653,	0.653,	0.683
0.000,	0.000,	0.000,	0.300,	0.000,	0.293,	0.246,	0.200,	0.144,	0.144,	0.144,	0.113
0.000,	0.000,	0.000,	0.200,	0.147,	0.101,	0.101,	0.101,	0.101,	0.101,	0.101,	0.102
0.000,	0.000,	0.000,	0.000,	0.252,	0.061,	0.061,	0.061,	0.061,	0.061,	0.061,	0.061
0.386,	0.787,	1.000,	0.400,	0.151,	0.040,	0.040,	0.040,	0.041,	0.041,	0.041,	0.041
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.614,	0.213,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000,	0.000
0.000,	0.000,	0.000,	0.100,	0.450,	0.505,	0.552,	0.598,	0.653,	0.653,	0.653,	0.683
0.000,	0.000,	0.000,	0.300,	0.000,	0.293,	0.246,	0.200,	0.144,	0.144,	0.144,	0.113
0.000,	0.000,	0.000,	0.200,	0.147,	0.101,	0.101,	0.101,	0.101,	0.101,	0.101,	0.102

Appendix E-4

Appendix E-4

0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,1.000,1.000,1.000,1.000,1.000,1.000,1.000,1.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.220,1.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 1.000,1.000,0.780,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,1.000,1.000,1.000,1.000,1.000,1.000,1.000,1.000
 0.000,0.000,0.220,1.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 1.000,1.000,0.780,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000
 0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000,0.000

California LEVII Phase-In Percentages For Evaporative Standards

2008 Phase-In (PAL2EVP.08)

T2 EVAP PHASE-IN
 0.25,0.50,0.75,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,
 0.25,0.50,0.75,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,
 0.25,0.50,0.75,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,
 0.00,0.00,0.00,0.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,
 0.00,0.00,0.00,0.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00,1.00/